

## **AMENDMENTS TO THE SPECIFICATION:**

Please amend the specification as follows:

Page 19, line 8, insert the following new subheading (centered) and new paragraphs.

### **Brief Description of the Drawings**

Figure 1 is a graph showing the comparison of the percentage conversion of EP and PCY<sub>3</sub> in a metathesis reaction carried out at 50°C.

Figure 2 is a graph showing the comparison of the percentage conversion of EP and PCY<sub>3</sub> in a metathesis reaction carried out at 110°C.

Figure 3 is a representation of The X-ray crystal structure for the complex of Example 2.

Figure 4 is a graph wherein the percentage conversion of diethyldiallyl malonate in a ring closing metathesis reaction is compared with reference to a standard first generation Grubb's catalyst (1a); a standard second generation Grubb's catalyst (1b) and the catalyst of the invention, namely a catalyst of formula 7.

Figure 5 is a graph wherein the percentage conversion of COD in a ring opening metathesis reaction is compared with reference to a standard first generation Grubb's catalyst (1a) and the catalyst of the invention, namely a catalyst of formula 7.

Figure 6 is a graph wherein the yield of 9-octadene from 1-decene in a cross metathesis reaction is compared with reference to a standard first generation Grubb's catalyst (1a); a standard second generation Grubb's catalyst (1b) and the catalyst of the invention, namely a catalyst of formula 7.

Page 21, delete Figure 1 in its entirety.

Page 22, delete Figure 2 in its entirety.

Page 25, delete the paragraph beginning on line 1 and replace with the following amended paragraph:

A solution of cyclohexyl phoban (0.65 mmol) in  $\text{CH}_2\text{Cl}_2$  (10 ml) was added dropwise to complex (B) (0.26 mmol) in  $\text{CH}_2\text{Cl}_2$  (10 ml) and stirred overnight at room temperature. The solution turned from dark brown to purple. The solvent was removed in vacuo followed by the addition of petroleum ether (20 ml). The solution was cooled to  $-15^\circ\text{C}$  to precipitate the product of formula 8 wherein  $\text{L}_2$  is cyclohexyl phoban as a purple solid (0.14 mmol, 55% yield).  $^{31}\text{P}$  NMR (121.4  $\text{MHz}$ ,  $\text{CD}_2\text{Cl}_2$ )  $\delta$  22 (very broad);  $^1\text{H}$  NMR (300  $\text{MHz}$   $\text{CD}_2\text{Cl}_2$ )  $\delta$  19.6 (d,  $\text{Ru}=\text{CH}$ , 1H,  $^3J_{\text{HH}} = 11.52$  Hz), 8.2 (d,  $\text{Ru}=\text{CHCH}$ , 1H,  $^3J_{\text{HH}} = 11.7$  Hz).  $^{13}\text{C}$  NMR (75.4  $\text{MHz}$ ,  $\text{CD}_2\text{Cl}_2$ )  $\delta$  284 (m,  $\text{Ru}=\text{C}$ ). The X-ray crystal structure for this complex is shown below in Figure 3. Selected bond length and angle data is shown in the Table 1.

Page 26, delete in its entirety.

Page 28, delete the paragraph beginning on line 22 through page 29, line 8 and replace with the following amended paragraph:

Reactions were carried out in a 250 ml three-necked flask fitted with a reflux condenser, thermometer and septum. A needle inserted through the septum and connected to a gas supply via a needle valve was used to ensure a slow and steady stream of argon through the reaction solution. Dry, degassed toluene (80 ml) was added, followed by diethyldiallylmalonate (4g, 16.8 mmol) and the reaction was heated at  $50^\circ\text{C}$ . The catalyst of formula 7 wherein  $\text{L}_2$  is cyclohexyl phoban (0.01

mmol) was weighed into a custom-made aluminum weighing tray and added to the reaction mixture. Samples were taken at regular intervals via syringe through the septum. Samples were analysed by GC with a Pona column using an FID. Results are shown in Figure 4 below.

Page 29, delete Figure 4 in its entirety.

Page 30, delete the paragraph beginning on line 7 and replace with the following amended paragraph:

Into a glass vial was added 2ml of dry, degassed toluene, followed by decane (900  $\mu$ l, internal standard for GC) COD (0.46 g, 4.63 mmol) was added, followed by toluene. A solution of catalyst (0.001838 mmol) in toluene (100  $\mu$ l) was added and the reaction was monitored by GC by taking samples at regular intervals. Results are shown in Figure 5 below.

Page 30, delete Figure 5 in its entirety.

Page 31, delete the paragraph beginning on line 9 and replace with the following amended paragraph:

Reactions were carried out in a 250 ml three-necked flask fitted with a reflux condenser, thermometer and septum. A needle inserted through the septum and connected to a gas supply via a needle valve was used to ensure a slow and steady stream of argon through the reaction solution. Dry, degassed 1-decene (24 ml) was added, and the reaction was heated at 65°C. The catalyst (0.014 mmol) was weighed into a custom-made aluminum weighing tray and added to the reaction mixture. Samples were taken at regular intervals via syringe through the septum. Samples were

analysed by GC using a Pona column. Results are shown in Figure 6 below.

Page 32, delete Figure 6 in its entirety.